

WORK AND SAFETY PLAN

Cooperative Gypsy Moth Project For Northern Indiana - 2008

1.0 Personnel / Organization

This project is conducted by the Indiana Department of Natural Resources (Division of Entomology and Plant Pathology and the Division of Forestry) with cooperation from the USDA, Forest Service.

- 1.1 STATE ENTOMOLOGIST - Overall responsibility for the project under Indiana law with authority to initiate and stop the project at any time.
- 1.2 STATE FORESTER - Provides contract administration and cooperation between and with the USDA - Forest Service.
- 1.3 FOREST HEALTH SPECIALIST (Div. Forestry) - Provides supervision of the project in conjunction with the Forest Entomologist; prepares and reviews the environmental assessment; assists with public meetings; prepares and assists with treatment and contract; assists with biological evaluation; and coordinates and administers safety-security plan.
- 1.4 FOREST ENTOMOLOGIST (Div. Forestry) - Provides supervision of the project in conjunction with Forest Health Specialist and Supervisory Entomologist; conducts biological evaluation of the project; prepares treatment boundaries; provides GIS support for the project; conducts pre treatment assessments for boundaries and aerial safety concerns; and assists in safety-security plan administration.
- 1.5 NURSERY INSPECTORS AND COMPLIANCE OFFICERS (Div. Entomology) – Provides supervision of the project in conjunction with the Forest Health Specialist and Forest Entomologist; conducts and assists with public meetings and public notification; assists and conducts biological evaluation; assists with safety-security plan; conducts treatments serving as treatment site observer and/or treatment site coordinator; prepares and reviews environmental assessment; monitors treatment progress; answers phone calls and monitors weather radar.
- 1.6 TREATMENT SITE OBSERVER - Monitors aerial application of treatment material from the ground; observes aircraft for proper operation of treatment equipment; documents and reports defective nozzle operation; sets and retrieves spray deposit cards; record weather information (temperature, humidity and wind speed) and foliage

expansion; records start and completion time of application; maintains radio contact with applicator; and communicates to people within treatment site.

- 1.7 **TREATMENT SITE COORDINATOR** - Conducts activities of treatment site observer; coordinates activities of treatment site observers; maintains radio contact with contractor and observers; approves start of application to the treatment site and release of the pilot to go to the next treatment site and records all activities of the treatment site.
- 1.8 **LOAD SITE OBSERVER** - Observes and records mixing and loading of treatment material; performs check of treatment equipment on aircraft for compliance with contract specifications; records amount of treatment material loaded and remaining after application; views digital application files for accuracy of application & advise applicator of any errors or problems; records other data on aircraft and pilot conducting each application; and coordinates project communications among treatment site observers, treatment site coordinators and other staff involved in the treatment.
- 1.9 **CENTRAL COMMUNICATIONS OFFICER** – Receives and responds to phone calls from the 800 number; maintains conference call to treatment site observers; treatment site coordinators; load site observer; monitors weather radars; maintains call list of people requesting notification for health reasons; coordinates with Division of Communications for press releases.
- 1.10 **CONTRACTOR** - Responsible to know and meet all state and federal regulations regarding treatment material use and aerial application; comply with specifications of the contract; to provide a safety plan for spills and safety equipment for his employees; to provide security for aircraft and treatment materials, and to conduct pre application safety meeting and fly-over of the site.

The Forest Health Specialist and Forest Entomologist are responsible for administering the treatment operation and the safety-security plan.

The use of ‘state agent’ in this plan refers to the personnel listed above in 1.3 to 1.9.

2.0 Treatment Areas

The Indiana Department of Natural Resources (IDNR), Division of Entomology & Plant Pathology and Division of Forestry, proposes a cooperative project with the United States Department of Agriculture (USDA), Forest Service (USFS) to treat the gypsy moth populations at 14 sites in 5 counties that cover an estimated 14,313 acres (Table 1). The preferred alternative for the cooperative project is Alternative 5: Btk, mating disruption and/or mass trapping.

Table 1. Number of Treatment Sites and Acres by County and Treatment Method for 2008.

COUNTY	TREATMENT SITES By Treatment Method		TREATMENT ACRES By Treatment Method	
	Mating Disruption	Btk Aerial	1.1 Mating Disruption	Btk Aerial
Allen	0	7	0	3605
Elkhart	0	2	0	1051
Lake	1	0	6907	0
LaPorte	0	3	0	2503
St. Joseph	0	1	0	247
Cooperative Project by Treatment	1	13	6907	7406
Total Cooperative Project	14		14,313	

2.1 Description of the Proposed Sites

Allen County: There are approximately 432,635 acres in Allen County and 59,276 acres of forest that contain both favorable and unfavorable host species.

Arlington Park: The proposed treatment site contains 1685 acres. The site is composed of trees associated with urban residences and woodlots. Oak, hickory, linden, maple, ash, cherry, crabapple, birch, locust, cottonwood, pine, spruce, and other hardwoods and shrubs are present. Houses, businesses, churches and schools occur within the site. Schools also occur adjacent to the site. There is a golf course in the northeast corner of the site. Mengerson Nature Preserve is located a quarter mile west of the proposed treatment site. Several retention ponds occur within the site. A power line runs through the site. The site was detected in 2007 and has had no prior treatment. Several egg masses were detected in this site in 2007. Survey indicates a low gypsy moth population, and Btk is proposed for this site.

Maplecrest 08: The proposed treatment site contains 776 acres. This site is composed

of trees associated with urban residences and woodlots. Oak, maple, beech, ash, sycamore, elm, spruce, pine and other hardwoods and shrubs are present. Houses, schools, businesses, retirement homes, a shopping area and parks occur within the site. A radio tower, cell phone tower and power lines are located within the site. The Maumee River is in the southeast corner of the site. Retention ponds are located in the southwest and northeast corners of the site. The site was detected in 2004 and delimited in 2005, 2006 and 2007. The site was part of a Btk treatment in 2005, part of a mating disruption treatment in 2006 and part of a Btk treatment in 2007. Several egg masses were detected in this site in 2007. Survey indicates a low gypsy moth population, and Btk is proposed for this site.

Memorial Park: The proposed treatment site contains 95 acres. This site is composed of trees associated with urban residences and woodlots. Oak, maple, locust, ash, pine, spruce, hemlock, arborvitae, and other hardwoods and shrubs are present. Houses, businesses and a park occur within the site. There is one school adjacent to the site. The Fort Wayne Water Pollution Control Plant is northeast of the site. There are four radio towers and one smokestack within the site. This site was detected in 2007 and has had no prior treatment. Several egg masses were detected in this site in 2007. Survey indicates a low gypsy moth population, and Btk is proposed for this site.

St. Joe 08: The proposed treatment site contains 247 acres. This site is composed of trees associated with urban residences and woodlots. Oak, maple, hickory, ash, cherry, spruce, pine, and other hardwoods and shrubs are present. Houses, businesses, a church and a school occur within the site. There is a school adjacent to the site. Mengerson Nature Preserves is located south of the proposed treatment site. There are several retention ponds in the southwest corner of the site. There are no known hazards within the site. This site was detected in 1998 and delimited in 1999. The site was part of a Btk treatment in 1999. Several egg masses were detected in this site in 2007. Survey indicates a low gypsy moth population, and Btk is proposed for this site.

Wappes Road: The proposed treatment site contains 122 acres. This site is composed of trees associated with rural residences and woodlots. Oak, maple, hickory, cherry, pine and other hardwoods and shrubs are present. Houses occur within the site. A drainage ditch runs east and west through the center of the site, and two ponds are located adjacent to the eastern edge of the site. The site was detected in 2005 and delimited in 2006. The site was part of a Btk treatment in 2006. Several egg masses were detected in this site in 2007. Survey indicates a low gypsy moth population, and Btk is proposed for this site.

Waterswolde: The proposed treatment site contains 246 acres. This site is composed of trees associated with urban residences and woodlots. Oak, hickory, maple, ash, cherry, pine, spruce, and other hardwoods and shrubs are present. Houses and businesses occur within the site. Schools and a children's play center occur just outside of the site. A ball park is in the southwest part of the site. Power lines and a cell phone tower occur within the site. There are several retention ponds in the northeastern and southwestern corners

of the site. The site was detected in 2007 and delimited in 2007. The site was part of a Btk treatment in 2007. Several egg masses were detected in this site in 2007. Survey indicates a low gypsy moth population, and Btk is proposed for this site.

Woodbine: The proposed treatment site contains 434 acres. This site is composed of trees associated with urban residences and woodlots. Oak, hickory, maple, cherry, beech, ash, cottonwood, pine, spruce, and other hardwoods and shrubs are present. Houses and businesses occur within the site. Smith Field Airport is adjacent to the southeast corner of the site. There is one school just outside of the site. Two retention ponds occur in the northeast corner of the site as well as headwaters of Spy Run Creek in the southern edge of the block. An environmentally sensitive area is adjacent to the eastern edge of the site. Several power lines and two radio towers are present in the site. The site was detected in 2006 and delimited in 2007. The site was part of a Btk treatment in 2007. Several egg masses were detected in this site in 2007. Survey indicates a low gypsy moth population, and Btk is proposed for this site.

Elkhart County: There are approximately 303,274 acres in Elkhart County and 39,016 acres of forest that contain both favorable and unfavorable host species.

County Road 30: The proposed treatment site contains 856 acres. This site is composed of trees associated with rural residences and woodlots. Oak, maple, cottonwood, locust, willow, ash, and other hardwoods and shrubs are present. Houses occur within the site, and a ball park is located in the southwest corner of the site. A large tower (Elkhart 911 Call Center) is just north of the site. A water tower and cell tower are just east of the site. Power lines occur in the southern part of the site. Several retention ponds occur within the site. Leedy Ditch runs north/south through the east part of the site. The site was detected in 2006 and delimited in 2007. The site was part of a Dimilin ground treatment site in 2007. Egg masses were detected in this site in 2007. Survey indicates a low gypsy moth population, and Btk is proposed for this site.

Goshen: The proposed treatment site contains 195 acres. This site is composed of trees associated with urban residences and woodlots. Oak and some pine, spruce and maple and other hardwoods and shrubs are present. Houses occur within the site. A flooded stone quarry and several retention ponds occur adjacent to the site. A radio antenna is adjacent to the west side of the site. The site was detected in 1998 and delimited in 1999 and 2007. This site was part of a Btk treatment site in 1999 and 2007. Egg masses were detected in this site in 2007. Survey indicates a low gypsy moth population, and Btk is proposed for this site.

Lake County: There are approximately 316,431 acres in Lake County and 18,877 acres of forest that contain both favorable and unfavorable host species.

Oak Ridge: The proposed treatment site contains 6907 acres. This site is composed of trees associated with urban residences and woodlots. Oak and maple and other

hardwoods and shrubs are present. Houses, schools and churches occur within the site. Oak Ridge Prairie County Park is located within the proposed treatment site. Hoosier Prairie Nature Preserve is located just west of the proposed treatment site. Several small ponds and lakes occur within the site. Nine towers are present within the site. The site was detected in 2007 and has had no prior treatment. No egg masses were detected in this site in 2007. Survey indicates a very low gypsy moth population, and mating disruption flakes are proposed for this site.

LaPorte County: There are approximately 401,015 acres in LaPorte County and 45,618 acres of forest that contain both favorable and unfavorable host species.

Beatty Corner: The proposed treatment site contains 170 acres. This site is composed of trees associated with rural residences and woodlots. Oak, maple and other hardwoods and shrubs are present. Houses occur within the site. Little Calumet Headwaters Nature Preserve is located approximately one mile southeast of the proposed treatment site. No hazards occur within the site. The site was detected in 2007 and has had no prior treatment. Egg masses were detected in this site in 2007. Survey indicates a low gypsy moth population, and Btk is proposed for this site.

Lofgren: The proposed treatment site contains 2179 acres. This site is composed of trees associated with rural residences and woodlots. Oak and maple and other hardwoods and shrubs are present. Houses and a church occur within the site. No hazards occur within the site. The site was detected in 2006 and delimited in 2007. This site was part of a Dimilin ground treatment in 2007. Egg masses were detected in this site in 2007. Survey indicates a low gypsy moth population, and Btk is proposed for this site.

Springville 08: The proposed treatment site contains 154 acres. This site is composed of trees associated with rural residences and woodlots. Oak and maple and other hardwoods and shrubs are present. Houses and a church occur within the site. No hazards occur within the site. Springville Fen Nature Preserve is approximately a half mile east of the proposed treatment site. The site was detected in 2003 and delimited in 2004 and 2006. The site was part of a Btk treatment site in 2004 and 2006. Egg masses were detected in this site in 2007. Survey indicates a low gypsy moth population, and Btk is proposed for this site.

St. Joseph County: There are approximately 283,449 acres in St. Joseph County and 36,467 acres of forest that contain both favorable and unfavorable host species.

Quince Road: The proposed treatment site contains 247 acres. This site is composed of trees associated with rural residences and woodlots. Oak, maple, ash, pine, spruce and other hardwoods and shrubs are present. Houses and a conservation club area occur within the site. Schools, a horseback riding center and another conservation club are just adjacent to the site. There is a cell tower within the site and water inlets of South Chain Lake within the site. The site borders North and South Chain Lake on the east. There is a

natural wet prairie habitat located east and across the lake from the proposed treatment site. The site was detected in 2007 and has had no prior treatment. Egg masses were detected in this site in 2007. Survey indicates a low gypsy moth population, and Btk is proposed for this site.

3.0 Pre-treatment Operation

3.1 Biological Monitoring

- A. Egg masses are monitored near or in the treatment site(s) to determine the date of egg hatch. This is used to aid in determining the time of first application for Btk and to aid in determining the time of male moth emergence for the application of pheromone flakes (mating disruption).
- B. Larvae observed in the sites will have their stage of development determined. When approximately 25-50% of the larvae are 2nd instar, the first application of Btk is applied. The larval development will also be used to determine when pupation could occur, which will aid in determining the application time for pheromone flakes. For the Btk treatment sites, foliage expansion will be monitored so that an adequate target is available for Btk to deposit on to. Oak foliage will be used to guide foliage expansion. When expansion is near 50%, the first application will be applied. Other tree species in the project site will be monitored, also. Species such as sugar maple will also be used to determine the first application, especially if they are the major component of the overstory.
- C. The first application of Btk will be from late April through late May depending on weather. The earliest recorded male moth catch date and the above information will be used to determine the time for application of the pheromone flakes, which could be from mid June through early July.

3.2 Calibration and Characterization

- A. Treatment equipment cleaned prior to application.
- B. For Btk, clean nozzles installed and in line screen, clean and no finer than 30 mesh.
- C. Aircraft calibrated and characterized prior to application.
- D. Tanks, hoses and pump on treatment aircraft checked for leaks before the treatment material is loaded.
- E. The swath width used during application is determined in consultation with the state entomologist and USDA Forest Service using the swath width defined from characterization.
- F. Contractor will upload the most recent and correct GIS files of the treatment sites into the aircraft navigation system and verify that the navigation system will accurately guide the treatment applications.
- G. An aircraft safety check at time of calibration and characterization and at the time of loading for each application.
- H. Testing and designation of radio frequencies for ground to air communication

conducted at pretreatment meetings and at the time of loading for the application.

3.3 Pre-treatment Training

A. Contractor:

1. The contractor will view the treatment site from the ground and/or air prior to the application with an agent of the State Entomologist to familiarize the contractor with the boundaries, hazards and other safety concerns.
2. The contractor will provide a spill plan.
3. Review the following information provided by the contractor to the State Entomologist:
 - a) Nozzle type/number and number of nozzle per aircraft for Btk
 - b) Swath width
 - c) Gallon per minute for Btk
 - d) PSI for Btk
 - e) Height about project area
 - f) Air speed during application
 - g) Pilot name and license # (FAA & Pesticide), years of experience
 - h) Aircraft type/model/number (FAA)
 - i) Treatment materials applied through treatment equipment just prior to this project for Btk.

B. Observers:

1. Familiarize observers with treatment site boundaries, hazards, school bus schedule and other safety concerns.
2. Instruct observers in placement and retrieval of spray deposit cards for Btk.
3. Instruct observers in radio and all phone operation and communication procedures.
4. Instruct observers in the use of monitoring procedures and equipment - temperature/humidity meter, wind meter and foliage expansion measure.
5. Instruct observers on procedures for an emergency.

4.0 Treatment Operations

4.1 Communications

A. Aircraft pilot to treatment site

1. The contractor provides radios for DNR employees to communicate with the pilot. Or, the contractor installs the DNR radio frequency or radio into the aircraft. Or, the contractor meets communication requirements of the USDA Forest Service for the application of pheromone flakes.
2. Radio communication is established at each treatment site between the pilot and treatment site observer or treatment site observer/coordinator.
3. Radio communication is used –

- a) to give contractor clearance to start application at the treatment site;
 - b) to communicate malfunctioning treatment equipment;
 - c) to communicate start and stop points for flight lines;
 - d) to communicate any skips or misses;
 - e) to communicate any hazards, safety concerns or other problems within the treatment site;
 - f) to stop application for safety and weather condition reasons;
 - g) and to release pilot and aircraft to move to the next site.
- B. Between treatment sites
- 1. Radios and cellular phones will be used to notify each treatment site of the application progress, when the aircraft is moving to the next site, when the application is completed, any safety concerns and emergency situations.
 - 2. Cellular phones will be used to communicate to local emergency service agencies.
- C. Central communications
- 1. One person will be assigned to take phone calls at a central phone number for the project.

4.2 Treatment Schedule and Constraints

- A. Refer to Section 3.1 - Biological Monitoring for the time of application.
- B. Second application (if applicable as per project preferred alternative for the site) of Btk is made no sooner than four days after the first application.
- C. Start date will be determined by the State Entomologist and the contractor given a minimum of 48 hours notice before first application.
- D. First application of Btk will be made when 25-50% of the gypsy moth larva are 2nd instar size. This is estimated to be between late April and late May.
- E. For pheromone flake, application will be made 1-2 weeks prior to historical date of first male moth catch from detection surveys. This is estimated to be between mid June and early July.
- F. Applications will be made under the supervision and authority of the State Entomologist or his agent in coordination with the USDA Forest Service and USDA APHIS.
- G. The State Entomologist or his agent must be present at the time of each application and will give the order to stop, start or alter application.
- H. Application will start after dawn, as stated by the National Weather Service, and continue until completed or when weather conditions and safety concerns are not acceptable for the safe operation of the treatment. Application would restart on the same day should weather conditions and safety concerns return to acceptable levels for a safe operation.
- I. Application will stop when wind speeds exceed 10 mph or cause the treatment to drift off the project location.
- J. Application of Btk will be suspended when school buses are in the site and when children are outside on school grounds. The State Entomologist or his agent will contact the local school district for bus schedules at the project site and inform the

vendor when treatment will stop.

- K. Treatment of Btk will be done when weather reports indicate there will be no rain for a minimum of 24 hours, preferably 48 hours. However, depending on weather patterns and development of larva and foliage, a 6-hour minimum period of no rain will be used as decided by the State Entomologist or his agent to allow application.
- L. Low relative humidity below 50% and high temperature above 80 F may stop application. Treatment may continue at temperatures above 80 F if there are no thermal inversions.
- M. Treatment of pheromone flakes will be done when weather reports indicate there will be no threat of rain within one hour after treatment.

4.3 Pilot Briefing

- A. Review Section 3.3 A. – Pre-treatment Training with Contractor
- B. Update pilot on any changes in treatment site boundaries, hazards, or other safety concerns.
- C. Insure navigation system and treatment file is properly linked.
- D. Check treatment file in the navigation system to insure the file is the most recent version and contains the correct treatment boundaries should there be any changes in boundaries to mitigate issues regarding the treatment sites.
- E. Review treatment application at end of application or end of day.

4.4 Mixing and Loading

- A. Btk will be applied undiluted, as per the label or recommendations of the manufacturer. The rate is between 24 to 38 BIU/acre.
- B. The pheromone flakes will be applied per the label, the recommendations of the manufacturer or the recommendation of the USDA Forest Service. The rate is 15 or 6 grams AI/acre unless amended by manufacturer or USDA Forest Service.
- C. The treatment material will be mixed according to the label directions.
- D. Mixing and loading shall occur under the supervision of the State Entomologist or his agent. The State Entomologist and the contractor will mutually agree upon the site(s) for loading and mixing. The site(s) shall be located in proximity to the treatment site(s).
- E. Excess treatment material from each application shall be disposed of according to the label and all state and federal safety guidelines by the vendor.
- F. The contractor provides equipment for mixing, loading.
- G. Contractor is responsible to clean up treatment material and fuel spills.
- H. Contractor provides a safety plan for spills.
- I. Contractor provides safety clothes and equipment for the contractor's employees
- J. Contractor provides the following in written form for each application:
 - 1. Nozzle type/number and number of nozzle per aircraft.
 - 2. Swath width.
 - 3. Gallon per minute.

4. PSI.
5. Height about project area.
6. Air speed during application.
7. Pilot name and license # (FAA & Pesticide), years of experience.
8. Aircraft type/model/number (FAA).
9. Treatment materials applied through sprayer just prior to this project.
- K. The load site observer will record information about mixing and loading
 1. amount of treatment material loaded,
 2. amount of treatment material remaining,
 3. amount and type of sticker loaded.
- L. The load site observer will inspect the treatment equipment for:
 1. treatment equipment clean,
 2. new and clean nozzles installed,
 3. in line screen, clean and no finer than 30 mesh,
 4. tanks, hoses and pump on treatment aircraft checked for leaks,
 5. treatment equipment operating properly.
- M. The load site observer tests radio communication between the ground and air.

4.5 Application Monitoring

- A. Treatment site observer will record and monitor the following during application:
 1. temperature
 2. relative humidity
 3. wind speed.
- B. Treatment site observer will set and recover spray deposit cards, if utilized for a treatment site.
- C. Treatment site observer will observe treatment emitting from aircraft. The pilot will be notified and treatment will be halted if the pattern and coverage are seriously altered.
- D. Treatment site observer will observe flight path, start/stop points for application, note any problems or deviations and advise pilot, treatment site coordinator and load site observer of the problems or deviations.
- E. Treatment site coordinator will approve start of application to the site and release of the pilot to go to the next site.
- F. Treatment site observers will visually verify that the proper boundaries are used. (See Section 3.3 B. - Pre-treatment Training for Observers).
- G. Load site observer will receive digital files that record treatment application from the applicator at (see Section 1.9 – Load site observer) the end of each treatment day or when a treatment is completed. Load site observer will view digital files for accuracy of application & advise applicator of any errors or problems.

5.0 Public Notification

- 5.1 Residences in the treatment sites will be notified of the decision to proceed with the project two weeks before treatment by direct mail. The residences and the public will

also be notified approximately two weeks before treatment by using news releases via local newspapers and radio/TV stations.

- 5.2 The media will be notified three days before starting treatment and asked to provide information on the treatment and the treatment date to the residences in the treatment sites and the public.
- 5.3 Local emergency agencies will be notified of the treatment date and time and given information or contact persons to direct questions.
- 5.4 Offices of county/municipal officials (extension agents, mayor, etc.) will be notified of the treatment date and time prior to treatment. Contact persons and other information will be provided as needed
- 5.5 Notification will contain information pertinent to the specific treatment, treatment schedule, and precautions to be taken.

6.0 Security

6.1 Treatment Product

- A. The State will require a certificate of analysis from the manufacturer prior to application.
- B. The manufacturer will provide a chain of custody document to the contractor upon delivery of the product.
- C. The manufacturer provides factory seals at the point of origin.
- D. The contractor will retain the chain of custody document and provide it to the State agent prior to application.
- E. The contractor must notify the State agent when the product has arrived and is in his/her custody.
- F. Upon delivery the contractor must provide a storage facility for the product that is locked and secured.
- G. A State agent will inspect the product within 24 hours of notification that the contractor has received the product.
- H. Upon notification that the contractor has received the product, the State agent shall notify responsible security officials (police, sheriff and/or conservation officers) where the product is located and request the location be monitored periodically until the treatment project has been officially completed.

6.2 Aircraft Security

- A. The aircraft will be secured in a hanger or disabled when not in use.
- B. The spray equipment – hoppers, tanks, pumps, hoses and mixing equipment – will be secured in a hanger or sealed at the end of each workday.

C. The airport facility will be monitored periodically until the treatment project has been officially completed.

6.3 Pilot

A. The pilot must have FAA approval for restricted areas.

6.4 Airport Security

A. Access to the airport loading and storage areas will be restricted.

B. Identification will be required for access to airport loading and storage areas, and other operation sites.

7.0 Safety

7.1 Handling of Treatment Material

A. Contractor will provide protective clothing for his employees.

B. Contractor will provide safety equipment at the load site for spills of treatment material.

C. Contractor provides a safety plan for spills.

D. Contractor is responsible to clean up treatment material spills.

7.2 Accidental Spill

The contractor will provide a spill plan for the loading/mixing of the treatment material and for fueling the aircraft. This plan will be followed in case of an accidental spill. In the event a spill does occur or pilot has to dump the treatment material, the following will be notified:

- Safety Officer of the DNR
- State Chemist Office – 765-494-1492
- State Police
- Dept. of Environmental Management - Spill Line - 888-233-7745
- Local authorities - police, fire department, hospitals as warranted
- USDA - Forest Service
- CHEMTREC (Chemical Transportation Emergency Center) - 800-424-9300
- National Response Center (if spill occurs on a highway) 800-424-8802

7.3 Safety Training

Safety training will be incorporated into the pre treatment training for treatment site and load site observers and other personnel. The Work and Safety Plan will be reviewed at the time of application. Individuals will review emergency procedures, phone numbers, the

communication procedure, the location of emergency equipment, and the monitoring procedure.

7.4 Accident Reporting

In the event of an accident, the treatment site observer or other project personnel will notify the State Police, 911 services if available in project area, county/municipal police, fire department, hospital and EMS for emergency situations. Also notified will be those listed under accidental spill.

Project personnel will assist in the emergency situation as needed.

7.5 Project Aviation Safety Plan

This Work & Safety Plan is referenced to and addendum to the USDA, Forest Service Aviation Management Plan 2008 for the Mating Disruption Treatment Project.

**EMERGENCY TELEPHONE NUMBERS
2008 COOPERATIVE GYPSY MOTH PROJECT**

Allen County

SITE (Treatment Method):	ARLINGTON PARK (Btk x 2)
Sheriff Department (Dispatch)	911 or 260 449 7661
City Police – Fort Wayne	911 or 260 427 1230
State Police District 22	911 or 260 432 8661 800-552-0976
Fire Department and EMS Fort Wayne Fire Department – main station	911 260 427 1170
Law Enforcement District 2 Headquarters (C.O.) 1353 South Governors Drive Columbia City, IN 46725	260 244 3720
Hospital: Parkview North Hospital 11115 Parkview Plaza Drive Fort Wayne, IN 46845	911 260 672 4000
Poison Control	800 382 9097
Dept. of Environmental Management – Spill Line	888 233 7745
CHEMTREC Chemical Transportation Emergency Center	800 424 9300
National Response Center (if spill occurs on a highway)	800 424 8802
Health Department	260 449 7561
Extension Agent – Ricky Kemery	260 481 6826
Fort Wayne Mayor’s Office, Mayor Tom Henry	260 427 1111
FAA – Fort Wayne Airport Traffic Control Local Coordinator	260 747 5915 260 747 9230
Nearest Airport: Smith Field, 426 W. Ludwig Rd., Fort Wayne, IN 46825 Fort Wayne International Airport, 3801 W. Furguson Rd. #209, Fort Wayne, IN 46809	260 489 8020 260 747 4146
Allen County Office of Homeland Security Director Bernard Beier	260 439 8300

**EMERGENCY TELEPHONE NUMBERS
2008 COOPERATIVE GYPSY MOTH PROJECT**

Allen County

SITE (Treatment Method):	ST JOE 08 (Btk x2)
Sheriff Department (Dispatch)	911 or 260 449 7661
City Police – Fort Wayne	911 or 260-427-1230
State Police District 22	911 or 260 432 8661 800-552-0976
Fire Department and EMS Fort Wayne Fire Department – main station	911 or 260-427-1170
Law Enforcement District 2 Headquarters (C.O.) 1353 South Governors Drive Columbia City, IN 46725	260 244 3720
Hospital: Parkview Hospital 2200 Randallia Drive Fort Wayne, IN 46805	911 260 373 4000
Poison Control	800 382 9097
Dept. of Environmental Management – Spill Line	888 233 7745
CHEMTREC Chemical Transportation Emergency Center	800 424 9300
National Response Center (if spill occurs on a highway)	800 424 8802
Health Department	260 449 7561
Extension Agent – Ricky Kemery	260 481 6826
Fort Wayne Mayor’s Office, Mayor Tom Henry	260-427-1111
FAA – Fort Wayne Airport Traffic Control Local Coordinator	260 747 5915 260 747 9230
Nearest Airport: Smith Field, 426 W. Ludwig Rd., Fort Wayne, IN 46825 Fort Wayne International Airport, 3801 W. Furguson Rd. #209, Fort Wayne, IN 46809	260-489-8020 260 747 4146
Allen County Office of Homeland Security Director Bernard Beier	260 439 8300

**EMERGENCY TELEPHONE NUMBERS
2008 COOPERATIVE GYPSY MOTH PROJECT**

Allen County

SITE (Treatment Method):	MEMORIAL PARK (Btk x2)
Sheriff Department (Dispatch)	911 or 260 449 7661
City Police – Fort Wayne	911 or 260-427-1230
State Police District 22	911 or 260 432 8661 800-552-0976
Fire Department and EMS Fort Wayne Fire Department – main station	911 260 427 1170
Law Enforcement District 2 Headquarters (C.O.) 1353 South Governors Drive Columbia City, IN 46725	260 244 3720
Hospital: Parkview Hospital 2200 Randallia Drive Fort Wayne, IN 46805	911 260 373 4000
Poison Control	800 382 9097
Dept. of Environmental Management – Spill Line	888 233 7745
CHEMTREC Chemical Transportation Emergency Center	800 424 9300
National Response Center (if spill occurs on a highway)	800 424 8802
Health Department	260 449 7561
Extension Agent – Ricky Kemery	260 481 6826
Fort Wayne Mayor’s Office, Mayor Tom Henry	260 427 1111
FAA – Fort Wayne Airport Traffic Control Local Coordinator	260 747 5915 260 747 9230
Nearest Airport: Smith Field, 426 W. Ludwig Rd., Fort Wayne, IN 46825 Fort Wayne International Airport, 3801 W. Furguson Rd. #209, Fort Wayne, IN 46809	260 489 8020 260 747 4146
Allen County Office of Homeland Security Director Bernard Beier	260 439 8300

**EMERGENCY TELEPHONE NUMBERS
2008 COOPERATIVE GYPSY MOTH PROJECT**

Allen County

SITE (Treatment Method):	WOODBINE (Btk x 2)
Sheriff Department (Dispatch)	911 or 260 449 7661
City Police	N/A
State Police District 22	911 or 260 432 8661 800-552-0976
Fire Department and EMS	911
Grabill Fire Department	260 627 5133
Fort Wayne Fire Department	260 427 1170
Law Enforcement District 2 Headquarters (C.O.) 1353 South Governors Drive Columbia City, IN 46725	260 244 3720
Hospital: Dupont Hospital 2520 East Dupont Road Fort Wayne, IN 46825	911 260 672 4000
Poison Control	800 382 9097
Dept. of Environmental Management – Spill Line	888 233 7745
CHEMTREC Chemical Transportation Emergency Center	800 424 9300
National Response Center (if spill occurs on a highway)	800 424 8802
Health Department	260 449 7561
Extension Agent – Ricky Kemery	260 481 6826
Fort Wayne Mayor’s Office, Mayor Tom Henry	260 427 1111
FAA – Fort Wayne Airport Traffic Control Local Coordinator	260 747 5915 260 747 9230
Nearest Airport: Smith Field, 426 W. Ludwig Rd., Fort Wayne, IN 46825 Fort Wayne International Airport, 3801 W. Furguson Rd. #209, Fort Wayne, IN 46809	260 489 8020 260 747 4146
Allen County Office of Homeland Security Director Bernard Beier	260 439 8300

**EMERGENCY TELEPHONE NUMBERS
2008 COOPERATIVE GYPSY MOTH PROJECT**

Allen County

SITE (Treatment Method):	WAPPES RD (Btk x 2)
Sheriff Department (Dispatch)	911 or 260 449 7661
City Police – Fort Wayne	260 427 1230
State Police District 22	911 or 260 432 8661 800-552-0976
Fire Department and EMS	911
Huntertown Fire Department	260 449 3936
Fort Wayne Fire Department	260 427 1170
Law Enforcement District 2 Headquarters (C.O.) 1353 South Governors Drive Columbia City, IN 46725	260 244 3720
Hospital: Dupont Hospital 2520 East Dupont Road Fort Wayne, IN 46825	911 260 416 3000
Poison Control	800 382 9097
Dept. of Environmental Management – Spill Line	888 233 7745
CHEMTREC Chemical Transportation Emergency Center	800 424 9300
National Response Center (if spill occurs on a highway)	800 424 8802
Health Department	260 449 7561
Extension Agent – Ricky Kemery	260 481 6826
Eel River Township Trustee Selma Hough	260 410 7138
FAA – Fort Wayne Airport Traffic Control Local Coordinator	260 747 5915 260 747 9230
Nearest Airport: Smith Field, 426 W. Ludwig Rd., Fort Wayne, IN 46825 Fort Wayne International Airport, 3801 W. Furguson Rd. #209, Fort Wayne, IN 46809	260 489 8020 260 747 4146
Allen County Office of Homeland Security Director Bernard Beier	260 439 8300

**EMERGENCY TELEPHONE NUMBERS
2008 COOPERATIVE GYPSY MOTH PROJECT**

Allen County

SITE (Treatment Method):	MAPLECREST 08 (Btk x 2)
Sheriff Department (Dispatch)	911 or 260 449 7661
City Police – Fort Wayne	260 427 1230
State Police District 22	911 or 260 432 8661 800-552-0976
Fire Department and EMS Fort Wayne Fire Department	911 260 427 1170
Law Enforcement District 2 Headquarters (C.O.) 1353 South Governors Drive Columbia City, IN 46725	260 244 3720
Hospital: Parkview Hospital 2200 Randallia Drive Fort Wayne, IN 46805	911 260 373 4000
Poison Control	800 382 9097
Dept. of Environmental Management – Spill Line	888 233 7745
CHEMTREC Chemical Transportation Emergency Center	800 424 9300
National Response Center (if spill occurs on a highway)	800 424 8802
Health Department	260 449 7561
Extension Agent – Ricky Kemery	260 481 6826
Fort Wayne Mayor’s Office, Mayor Tom Henry	260 427 1111
FAA – Fort Wayne Airport Traffic Control Local Coordinator	260 747 5915 260 747 9230
Nearest Airport: Smith Field, 426 W. Ludwig Rd., Fort Wayne, IN 46825 Fort Wayne International Airport, 3801 W. Furguson Rd. #209, Fort Wayne, IN 46809	260 489 8020 260 747 4146
Allen County Office of Homeland Security Director Bernard Beier	260 439 8300

**EMERGENCY TELEPHONE NUMBERS
2008 COOPERATIVE GYPSY MOTH PROJECT**

Allen County

SITE (Treatment Method):	WATERSWOLDE (Btk x 2)
Sheriff Department (Dispatch)	911 or 260 449 7661
City Police – Fort Wayne	260 427 1230
State Police District 22	911 or 260 432 8661 800-552-0976
Fire Department and EMS Fort Wayne Fire Department	911 260 427 1170
Law Enforcement District 2 Headquarters (C.O.) 1353 South Governors Drive Columbia City, IN 46725	260 244 3720
Hospital: Dupont Hospital 2520 East Dupont Road Fort Wayne, IN 46825	911 260 416 3000
Poison Control	800 382 9097
Dept. of Environmental Management – Spill Line	888 233 7745
CHEMTREC Chemical Transportation Emergency Center	800 424 9300
National Response Center (if spill occurs on a highway)	800 424 8802
Health Department	260 449 7561
Extension Agent – Ricky Kemery	260 481 6826
Fort Wayne Mayor’s Office, Mayor Tom Henry	260 427 1111
FAA – Fort Wayne Airport Traffic Control Local Coordinator	260 747 5915 260 747 9230
Nearest Airport: Smith Field, 426 West Ludwig Road, Fort Wayne, IN 46825 Fort Wayne International Airport, 3801 W. Furguson Rd. #209, Fort Wayne, IN 46809	260 489 8020 260 747 4146
Allen County Office of Homeland Security Director Bernard Beier	260 439 8300

**EMERGENCY TELEPHONE NUMBERS
2007 COOPERATIVE GYPSY MOTH PROJECT**

ELKHART COUNTY

SITE (Treatment Method):	COUNTY ROAD 30 (Btk x 2)
Sheriff Department	911 or 574-533-4151 Business: 574-533-8644
City Police – Goshen Marshall's office - Wakarusa	574-533-8661 574-862-2245
State Police	911 or 574 233-1123 574 546-4900 800-552-2959
Elkhart County 911 Communication Center	574-533-4151 (non-emergency) 574-537-2300 (business)
Fire Department Harrison Township Fire Department	911 or 574-875-5039
Law Enforcement District 1 Headquarters (C.O.) 9822 N Turkey Creek Rd Syracuse, IN 46567	574-457-8092
Hospital: Goshen General Hospital, 200 High Park Avenue, Goshen, IN 46526	574-533-2141
Poison Control	800-382-9097
Dept. of Environmental Management - Spill Line	888-233-7745
CHEMTREC (Chemical Transportation Emergency Center)	800-424-9300
National Response Center (if spill occurs on a highway)	800-424-8802
Health Department - Goshen	574-875-3391
Extension Agent - Jeff Burbrink/Andrew Westfall	574-533-0554
Elkhart Co. Commissioners	574-535-6743
FAA Accident Report South Bend Control	574-236-8480 574-236-8405
Nearest Airport: Goshen Municipal, 17229 County Road 42, Goshen, IN	574-533-8245
Elkhart Co. Emergency Management Director, Jennifer Tobey	574-535-6590

ELKHART COUNTY

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**EMERGENCY TELEPHONE NUMBERS
2004 COOPERATIVE GYPSY MOTH PROJECT**

LAKE COUNTY

SITE (Treatment Method):	Oak Ridge (Mating Disruption)
Sheriff Department	911 or 219-755-3300 ext 8
City Police – Griffith	911 or 219-924-7503
City Police - Merrillville	911 or 219-769-3531
State Police	911 or 219-696-6242 800-552-8917
Fire Department and EMS – Griffith	911 or 219-924-7500
Volunteer Fire Dept. - Merrillville	911 or 219-769-0004
Law Enforcement District 10 Headquarters (Conservation Officer) 100 W. Water St. Michigan City, IN 46360	219-879-5710
Hospital: Methodist 8701 Broadway	219-738-5500
Poison Control	800-382-9097
Dept. of Environmental Management - Spill Line	888-233-7745
CHEMTREC (Chemical Transportation Emergency Center)	800-424-9300
National Response Center (if spill occurs on a highway)	800-424-8802
Emergency Management	219-755-3549
Hazmat – call Fire Chief first for hazmat	219-755-3512
Health Department	219-755-3655
Extension Agent	219-755-3240
Town Manager	219-769-5711
FAA	847-294-7302
Nearest Airport: Gary/Chicago Airport, 6001 Industrial Hwy, Gary, IN 46406	219-949-9722

**EMERGENCY TELEPHONE NUMBERS
2004 COOPERATIVE GYPSY MOTH PROJECT**

LAPORTE COUNTY

SITE (Treatment Method):	SPRINGVILLE (Btk x 1)
Sheriff Department	219-362-6205
City Police Griffith Police Dept. 115 North Broad St.	N/A
State Police	911 or 219-696-6242 800-552-8917
Fire Department and EMS Springfield Township	911 or 219-362-1415
Law Enforcement District 10 Headquarters (C.O.) 100 W. Water St. Michigan City, IN 46360	219-879-5710
Hospital: St. Anthony, 301 Homer, Michigan City LaPorte Hospital, State & Madison, LaPorte	911 or 219-879-8511 911 or 219-326-1234
Poison Control	800-382-9097
Dept. of Environmental Management - Spill Line	888-233-7745
CHEMTREC (Chemical Transportation Emergency Center)	800-424-9300
National Response Center (if spill occurs on a highway)	800-424-8802
Hazmat	219-326-6808 ext 265
Health Department	219-326-6808 ext 200
Extension Agent	219-324-9407
Town Manager	N/A
FAA Accident Report South Bend Control	574-236-8480 574-236-8405
Nearest Airport: Michigan City Municipal, 5814 E Michigan Blvd. Michigan City	219-872-0121

**EMERGENCY TELEPHONE NUMBERS
2004 COOPERATIVE GYPSY MOTH PROJECT**

LAPORTE COUNTY

SITE (Treatment Method):	Beatty Corner (Btk x 2)
Sheriff Department	219-362-6205
City Police	N/A
State Police	911 or 219-696-6242 800-552-8917
Fire Department and EMS Coolspring Township Volunteer	911 or 219-872-2097
Law Enforcement District 10 Headquarters (C.O.) 100 W. Water St. Michigan City, IN 46360	219-879-5710
Hospital: St. Anthony, 301 Homer, Michigan City LaPorte Hospital, State & Madison, LaPorte	911 or 219-879-8511 911 or 219-326-1234
Poison Control	800 382 9097
Dept. of Environmental Management - Spill Line	888-233-7745
CHEMTREC (Chemical Transportation Emergency Center)	800-424-9300
National Response Center (if spill occurs on a highway)	800-424-8802
Hazmat	219-326-6808 ext 265
Health Department	219-326-6808 ext 200
Extension Agent	219-324-9407
Town Manager	N/A
FAA Accident Report South Bend Control	574-236-8480 574-236-8405
Nearest Airport: Michigan Municipal Airport, 5814 E Michigan Blvd Michigan City, IN	219-872-0121

**EMERGENCY TELEPHONE NUMBERS
2004 COOPERATIVE GYPSY MOTH PROJECT**

LAPORTE COUNTY

SITE (Treatment Method):	Lofgren (Btk x 2)
Sheriff Department	219-362-6205
City Police	N/A
State Police	911 or 219-696-6242 800-552-8917
Fire Department and EMS Kankakee Township	911
Law Enforcement District 10 Headquarters (C.O.) 100 W. Water St. Michigan City, IN 46360	219-879-5710
Hospital: St. Anthony, 301 Homer, Michigan City LaPorte Hospital, State & Madison, LaPorte	911 or 219-879-8511 911 or 219-326-1234
Poison Control	800 382 9097
Dept. of Environmental Management - Spill Line	888-233-7745
CHEMTREC (Chemical Transportation Emergency Center)	800-424-9300
National Response Center (if spill occurs on a highway)	800-424-8802
Hazmat	219-326-6808 ext 265
Health Department	219-326-6808 ext 200
Extension Agent	219-324-9407
Town Manager	N/A
FAA Accident Report South Bend Control	574-236-8480 574-236-8405
Nearest Airport LaPorte Municipal Airport 2341 S. State Road 39, LaPorte	219-324-3393

**EMERGENCY TELEPHONE NUMBERS
2005 COOPERATIVE GYPSY MOTH PROJECT**

ST. JOSEPH COUNTY

SITE (Treatment Method):	Quince Road (Btk x 1)
Sheriff Department	911 or 574-235-9611 574-245-6540 (Administration)
State Police	911 or 574 233-1123 574 546-4900 800-552-2959
Fire Department and EMS Warren Township	911 or 574-232-4028
Law Enforcement District 1 Headquarters (C.O.) 9822 N Turkey Creek Rd Syracuse, IN 46567	574-457-8092
Hospital: Memorial Hospital of South Bend 615 Michigan St, South Bend	574-234-9041
Poison Control	800-382-9097
Dept. of Environmental Management - Spill Line	888-233-7745
CHEMTREC (Chemical Transportation Emergency Center)	800-424-9300
National Response Center (if spill occurs on a highway)	800-424-8802
Health Department	574-235-9750
Extension Agent - Phil Sutton	574-235-9604
Town Manager	N/A
FAA South Bend Airport Traffic Control Local Coordinator	574 245 4600 574 236 8405 574 236 8401
Nearest Airport: South Bend Regional Airport 4477 Progress Drive, South Bend	574 282 4590
St. Joseph County Emergency Management Agency Luther Taylor Sr. - Director	574-235-9234